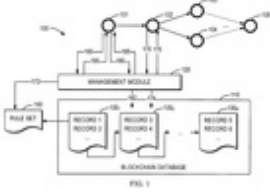
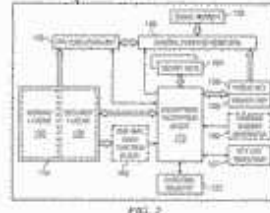


Patent families - 18 results

#	  Title	Publication number	Publ. date	Applicant/Assignee	
1.	Tracing objects across different parties	EP3479219	2019-05-08	MICROSOFT TECHNOLOGY LICENSING MICROSOFT	100 %
In implementations of the subject matter described herein, a new approach for controlling and tracing an object across a plurality of parties is proposed. A rule set may be enabled by the confirmation of a plurality of parties. The rule set may define constraints on operations related to the object. Upon receipt of a request for an operation related to the object, the requested operation may be verified based on the rule set agreed by the plurality of parties. In response to verifying that requested operation is valid, the requested operation may be performed, and a record for the operation may be created and stored in a blockchain database accessible to the plurality of parties.					
					
2.	Method and system for controlling code execution on a computing device using recursive security protocol	EP2340631	2011-07-06	RUBICON LABS CRIMMENI TECHNOLOGIES OXFORD WILLIAM V OXFORD WILLIAM V.	76 %
Embodiments of systems and methods which provide highly specific control over the execution of general-purpose code block are disclosed. These embodiments may allow the exact circumstances under which a given code block is allowed to execute to be determined with specificity. Such a control mechanism may be coupled with embodiments of a data hiding system and method, based for example, on an ordered execution of a set of code segments implemented via recursive execution. When embodiments of these systems and methods are utilized together an unencumbered generality as well as a level of protection against attack that surpasses many other security systems may be obtained.					
					
3.	Edge computing gateway for blockchain internet of things system and implementation method thereof	CN110365707	2019-10-22	GUANGZHOU ZHILIAN TECHNOLOGY SHANGHAI ZHILIAN TECHNOLOGY	75 %
The invention discloses an edge computing gateway for a blockchain Internet of Things system and an implementation method thereof. The gateway comprises an application layer, a system layer and a hardware layer; the hardware layer comprises a microprocessor and hardware equipment; the system layer is provided with a drive program of a system kernel and a drive program of gateway equipment; and the application layer is provided with a key generation program, an encryption program, an account registration program, a transaction proposal construction program, a communication program between equipment or nodes, a message sending and receiving program and a program for controlling subordinate Internet of Things equipment. The cost requirement of the Internet of Things data acquisition terminal equipment and the computing power requirement of the edge server in the blockchain Internet of Things system are reduced, the efficiency is high, the computing resource occupancy rate is small, the data security is improved, the existing Internet of Things equipment does not need to be replaced for the blockchain Internet of Things, the cost is low, and the method can be widely applied to the technical field of blockchains.					
					

4. [Method and system for broadcasting multimedia data](#) EP1797697 2007-06-20 74 %
- VECTORMAX
MAX VEKUTA
MAX VU EKUTA

A broadcast system provides support for clients to receive transmissions over a unicast or a multicast channel from a broadcast server. A server administrator configures each of a first server and client systems connected to the server to receive data in one of a multicast or unicast transmission mode. An empirical test determines whether an intervening network can support the configured mode and if not, transmission is performed using a fall back mode. The first server is able to provide access to data streams from other servers to the client systems connected thereto. Upon requesting a data stream from another server, the first server receives the data stream, replicates the data stream, transmits the data stream to the requesting client system and stores the replicated data stream for immediate access by any requesting client server connected thereto.



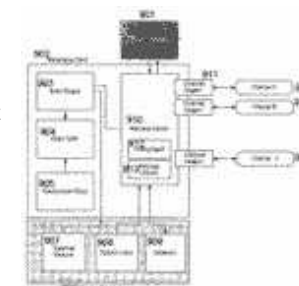
5. [Grain, oil and food full supply chain information safety management system and method based on trusted identification and ipfs](#) CN110879902 2020-03-13 73 %
- BEIJING TECHNOLOGY AND BUSINESS UNIVERSITY

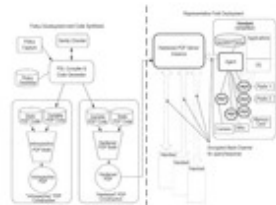
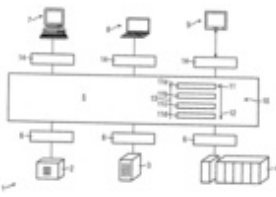
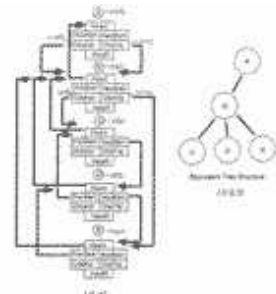
The invention provides a grain and oil food full supply chain information safety management system and method based on a trusted identification and IPFS, and relates to the fields of block chain technology, grain and oil food safety and the like. The system is realized by adopting a browser/server structure, and based on a trusted identification model of a block chain and an IPFS + block chain dual-mode storage mechanism, management functions such as registration, information acquisition, information inquiry, real-time monitoring and the like are provided for users. The method analyzes the operation flow of the grain and oil food full supply chain, sets distributed nodes to upload data, constructs a grain and oil food full supply chain credible identification model based on a block chain, and adopts a dual-mode data storage mechanism of IPFS and the block chain. The invention ensures that the data transmission of each link on the grain and oil food full supply chain is safe and transparent, improves the information access speed and privacy protection, controls the up-and-down chain of supply chain information through an intelligent contract and realizes the management functions of information acquisition, inquiry, tracing, monitoring and the like of the grain and oil food full supply chain.



6. [Systems and methods for providing compensation, rebate, cashback, and reward for using mobile and wearable payment services](#) WO2017/021882 2017-02-09 72 %
- KONAWARE
SUNDAY GRID
ZHOU ANDREW HAI BIN
ZHOU TIGER
ZHOU TIGER TIAN GE

Provided are methods and systems for providing compensation for using a mobile payment service. The method may commence with receiving payment information associated with a user. The method may include generating a unique code encoding the payment information and providing the generated unique code to the user. The method may continue with receiving a deposit amount associated with a purchase related to the user. The purchase may be made via the mobile payment service. The method may further include receiving a notification about a further purchase of the user via the mobile payment service. The notification may include at least the unique code and a product barcode. The product barcode may be associated with the further purchase. The method may further include providing a compensation from the deposit amount to the user. The compensation may be associated with a payment amount associated with the further purchase.



7.	Applications of secured memory areas and secure environments in policy-based access control systems for mobile devices	WO2016/010602	2016-01-21	SEQUITUR LABS	72 %	
Systems and methods are described for utilizing a secure environment on a mobile computing device for applying policy-based decision management in response to access requests from untrusted areas. A policy decision processor (PDP) within the secure environment provides a policy decision in response to an access query. A decision cache within the secure environment can be used to store policy decisions for faster resolution of access requests. Policy enforcement points (PEPs) are placed between external devices that are trying to access the device and the secured environment, where the PEPs are used to enforce the policy-based decision, and can be located either inside or outside the secure environment. Decision certificates can be formulated using validity information and timestamps, and used for validation policy certificates. Memory in non-secure areas can also be marked (colored) for use in performing trusted operations in order to optimize system resource usage.						
8.	Method for controlling an exchange of data	EP1646943	2006-04-19	SIEMENS SIEMENS POWER AUTOMATION	69 %	
The invention relates to a method for exchanging data between a communications unit (7, 8, 9) and a data source (2, 3, 4) of a control system (1), during which a runtime system comprised of hardware components (2, 3, 4) and software components (5, 6) transfers data between the data source (6, 7, 8) and a communications unit (7, 8, 9), and a processing chain (10) controls and/or monitors the exchange of data. The aim of the invention is to provide a method of the aforementioned type that can be modified easily and without interrupting the runtime system. To this end, the invention provides that the processing chain (10) is composed of processing routines (11), which each have a uniform input interface, whereby the processing routines (11) are called up in succession, and the data of a called up processing routine (11) are fed to the input interface of an immediately subsequent processing routine (11). In addition, the runtime system manages a dynamic storage area and accesses this storage area in order to establish the sequence with which the processing routines (11) are called up.						
9.	A system and method for managing knowledge	EP1527414	2005-05-04	FAIRWEATHER JOHN FAIRWEATHER JOHN R C	65 %	
An intelligence system is provided that is comprised of the following basic components. First, a system for converting incoming unstructured data into a well described normalized form. Since the incoming data is multimedia and may represent some data type for which support is provided by the underlying OS platform, this normalized form includes the ability to fully describe and manipulate arbitrarily complex native or nonnative binary structures and collections. This support is preferably provided by a dedicated 'mining' language tied intimately to a system ontology. In the preferred embodiment, such collections support the ability to attach arbitrary tags or annotations to the binary data they contain without in any way altering the binary representation itself. Additionally, the system supports the concept of either null or dirty (i.e., has been changed locally) datum.						
10.	Planting and cultivating method and device	CN110503514	2019-11-26	BEIJING ACADEMY OF EDGE COMPUTING BEIJING HUANDING ENVIRONMENTAL PROTECTION BIG DATA RESEARCH INSTITUTE	64 %	
The embodiment of the invention provides a planting and approving method and device, and the method comprises the steps: obtaining an approved crop type selected by a user and the information of Internet of Things equipment used by the user, and binding the Internet of Things equipment of the user and the approved crop type with a user certificate; acquiring an actual planting formula and corresponding planting result data of the growth cycle of the approved crop through Internet of Things equipment, and sending the actual planting formula and the corresponding planting result data to a blockchain network for storage through the user certificate, wherein the internet-of-things equipment is used for controlling the planting environment of the approved crops and acquiring planting process data. According to the method, the right of the actual planting formula can be determined, the traceability of the planting process is guaranteed, the Internet of Things equipment is used for controlling the planting environment of the approved crops and obtaining the planting process data, and personalized customization of approved planting can be achieved through the decentralized block chain network.						